A.N.A.R.T.S. News Bulletin 1411 for 27th of August 2006

PLEASE NOTE THAT DUE TO FAMILY COMMITTMENTS I CANNOT TRANSMIT THE

BROADCAST NEXT SUNDAY MORNING. I MAY BE ABLE TO TRANMIT IT ON 3542 KHZ

AROUND 8.30 LOCAL TIME ON THE SUNDAY EVENING. THE CAST WILL BE PUT

ONTO ANARTS WEB PAGE HTTP://WWW.ANARTS.COM AND PACKET RADIO - RTTY

AT SOON AS POSSIBLE. SORRY FOR ANY INCONVENIENCE...VK2CTD

Views expressed in this news bulletin are not necessarily

those of the Broadcast Officer, the Relay Officers, or of

the Society.

Items in this broadcast include

1. Cols column

2. IPS REPORT

3. VK2SG RTTY DX report

4. OPDX News

5. Anarts Information

Col's Column

Propagation of Radio Waves.

Ionospheric Irregularities.

1. Ionospheric Storms.

In medium and high latitudes, ionospheric storms are the most troublesome

of all the ionospheric irregularities.

The storms are caused by charged particles from the Sun being guided into

the 'Auroral Zones', (Regions near the poles of the Earth) by the Earths

Magnetic Field.

Ionospheric storms may occur at any time of the year, but are most frequent

about the equinoxes.

Their effects are felt during both night and day, and

they usually last

for several days, sometimes several weeks in unusual cases.

Except in the Auroral Zones, there is little effect on the E and F layers,

but the F2 layer is greatly expanded, has decreased critical frequencies

and increased effective heights.

Increased turbulence in the layers result in rapidly fluctuating signals

and signal strengths are lower than normal because of increased absorption.

When there is a significant increase in the influx of charged particles,

the effect of the storms extends well beyond the Auroral Zones and may

result in World-Wide disturbances.

Next weeks part looks at Sporadic E.

73s Col VK2CTD.

IPS Weekly Solar and Geophysical Report 18/24th Aug

SUMMARY

Date 18 19
20 21 22
23 24

10cm flux 89 89
88 88 81
78 78

AFr index 9 21
14 10 17
4 5 est

Aaus index 7 22
10 8 17
4 5 est

T index 18 12
5 13 10
4 6

Solar flare activity was very low on 18th and 22/24th and low otherwise.

Geomagnetic activity observed for the Australian Region was quiet to

unsettled on 18th 21st 23/24th quiet to minor storm on 19th quiet to

active with minor storm periods on 20th and quiet to
active on 22nd.

Southern Australian Ionospheric F2 critical frequencies
were near

predicted to 30 percent enhanced on 18th near predicted
to 20 percent

enhanced on 19th depressed 30 percent to near predicted
on 20th near

predicted with periods of degradations on 21st near
predicted on 22nd

and 24th and depressed 20 percent to near predicted on
23rd.

Forecast for 25/31st Aug

Solar activity should be low.

Geomagnetic activity should be active on 27th and quiet
to unsettled

on other days.

Frequencies should be briefly depressed after local dawn
on 27th and

near predicted monthly values on other days.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

VK2SG RTTY DX NOTES WEEKENDING 24 AUG

Our thanks this week go only to AA5AU DJ3IW GU0SUP UT5RP
K3GP OH2AQ DXSummit.

Bandpass:

Friday 18

0124-14082 UN7DA

0136-14086 6Y5WJ

0143-14084 P29AZD

0155-14081 TI2CCC

0155-14080 OX3PG

0313-14084 TG9ANF

0337--7072 HR2DMR

0406-14084 KL7J

0437--7070 HK3GXI

0436--7072 HR2DMR

1017--7028 8J7JAZZ/7

1144-14084 4Z5PN

1323-14086 E20KIR

1339-14085 BP100S

1528-14082 OX3PG

1546-14080 4O3ES

1553-14081 EU7SA

1603-14084 JY4NE

1723-14089 EC8AUZ

1739-14080 US8ICS

1819-14081 ER/UT5UDX

1951-10140 EU7SA

2011-14085 OX3DB

2023-14081 9G1UW

2031-14081 ER3MM

2104-14078 4O7WWYC

2142-14085 FM5AA

2227-14086 CN8KD

2326-14084 XE1EK

2340--7040 HK4QMH

2355-14086 6Y5WJ

Saturday 19

0224-14078 KH6FA

0227--7040 CN8KD

0230-14088 KL7AC

0238--7030 4O3AB

0243-14079 NL7V

0243-14084 FO5PS

0246-14082 3W9JR

0337--7035 OH0Z

0341--7030 ZC4LI

0349--7036 SV8CS

0351--7038 7X0RY

0441--3589 7X0RY

0455-14079 P29ZAD

0457--7047 OX3PG

0513-14084 UW8I

0514--7047 HR2DMR

0516-14088 OH0Z

0524-14090 SV8CS

0536-14085 ZC4LI

0557-21091 XV1X

0600-21086 UT0U

0601-14084 P29ZAD

0701-21079 7X0RY

0719-14101 4O7WWYC

0723-14095 4L9MR

0733-28092 4O3AB

0755-21078 ZC4LI

0806-18103 4O7WWYC

0813-14089 EB5KB

0957-14085 4X4IRS

1020-18106 A41NN

1257-14082 CN8SG

1406-14090 HZ1IK

1509-14083 JY4NE

1522-14088 8S6VAN

1528-14082 HS0ZBS

1606-14075 OH0Z

1620-21086 JY4NE

1635-21080 YU6AO

1642-21092 XE1YYD

1645-14092 3W9JR

1702-21079 NP4BM

1705-14082 9M2CCO

1711-14078 4O3AB

1733-14093 TF3KX

1741-14078 8P2K

1825-14097 E21YDP

1826-21080 FM5JC

1846-14083 KP4AH

1856-14082 CT3KY

1904-21086 FO5PS

1943-28083 FM5JC

2033-21085 NP4BH

2038-28082 GU0SUP

2102-14094 SV8CS

Sunday 20

0811-14083 KP4AH

0812-14085 8P2K

0825-14094 9M6XRO

0826-14093 CN8KD

0834-14084 YB0COU

0839-14103 4O3AB

0847-14086 P29ZAD

0859-14090 3W9JR

0900-14093 VR2XMT

0932-21082 7X0RY

0954-21087 CN8KD

1007-14089 VQ9JK

1007--7042 NP4BM

1011-28087 SV8CS

1029-14080 E21YDP

1034-28086 YL2KF

1050-28078 ZC4LI

1057-28080 4O3AB

1115-28094 OH0Z

1202-14097 BD3APX

1202-14084 VQ9LA

1214-14094 4O3AB

1229-21084 VU2LBW

1241-14093 XE3RCC

1246-14079 NP4BM

1300-14093 GU0SUP

1304-14075 UN7PBY

1320-14080 YU6AO

1338--7034 YC8PIO

1423-14081 CN8KD

1451-14107 4O7WWYC

1452-14083 7X0RY

1511-14101 4O3AB

1553-14088 US0MM

1636-14085 A41LP

1859--7038 TA3J/4

2100-14083 T94KC

2211-14083 EA8RR

Monday 21

0731-18101 VQ9LA

0742-28088 SV3CDX

1013--7034 6K5AQY

1240-14082 ER15MD

1300-14088 TK/IZ0BTV

1333-14083 TF3GC

1337-14084 HZ1IK

1611-14087 EM50C

1614-14088 UN8PIM

1615-14093 SV3/SV1VS

1616-14085 EW7EW

1619-14083 ER15MD

1633-14085 OY/DL2RMC

1701-14092 EC8AUZ

1804-14086 UR3LC

1914-14086 YM125ATA

2019--7038 SV1GSV/8

2025-14081 9G1UW

2144-14056 6Y5WJ

Tuesday 22

0056-14086 6Y5WJ

0537-14087 EK6TA

0809-14084 SV1GSV/8

1009-14093 SV3/SV1CS

1134-14086 HB9O Swiss Transport Museum

1207-14085 SV3DCX

1641-14086 OX3WS

1645-14087 UR5WS

1747-14085 ER15MD

2007-14082 CN8SG

2010-14089 R375I

2025-14086 9G1UW

2120-14082 YM125ATA

2137-14081 EC1AAC

2148-14084 FM5AA

Wednesday 23

0110--7070 CU2JT

0120--7041HK4QMH

0653-14086 EM50C

0729-14088 R375I

1342-14084 CN8SG

1426-14087 HZ1IK

1709-10140 9K2YM

1713-14080 EM50C

1716-14082 BD1PTA/0

1957-18112 ER15MD

2006-14084 JY4NE

2147-14084 HK6PSG

2154-14086 HK4QMH

2248-14084 EA6BH

2300-14085 HK3SGP

Thursday 24

0115-14081 UN7DA

0230-14086 FO5EM

0404-14083 ER15MD

0414--7037 OM5TX

0626-14083 BD1PTA/0

0705-18100 EO15FF

0718-14080 SV1GSV/8

0945-14092 SV3/SV1VS

1319-14088 HZ1IK

1455-14081 XE1MW

1532-14085 CN8SG

1535-14084 TF3GC

1612-14091 UN8PIM

1725-14083 XU7ABN

1744-14086 EX2M

1813-14087 6Y5WJ

1950-14085 EO15FF

Note of interest:

CQ WW DX Contest RTTY Announced Operations Sept 23-24

EY8MM Tajikistan

HC8N Galapagos

HI3CCP Dominican Rep.

J7R Dominica

OH0I Aland Islands

OH0KAG Aland Islands

OH0M Aland Islands

OH0Z Aland Islands

NORTH COOK IS. E51. N7OU and W7YAQ will operate from
Penrhyn Atoll Nov 4/18.

Mainly CW with some rtty AND ssb low power and verticals
80m-10m.

SOUTH COOK IS. E5. Same team as above will move to
Rarotonga and will be

active Nov 18/28.

You can also subscribe to the digital-dx reflector - send
an e-mail message

to majordomo at mla.nifty.ne.jp as follows:

Subject: (blank) Message Body: subscribe digital-dx

For next weeks bulletin, send your bandpass and notes of
interest to Goetz

DJ3IW

Gl de Luciano I5FLN

Ohio/Penn DX Bulletin No. 772 - excerpts

3V8, TUNISIA IOTA Op

Look for Francois F8DVD to be active as 3V8SM from the
facilities of the Scout

Houm Souk ARC on Djerba Island AF-083 Augt 28-31. He
intends to be active on

both CW and SSB on all bands from 80-10M propagation
permitting. Francois will

use a FT-767 w/100w into beam and dipoles. QSL this
activity ONLY to F8DVD

either direct (SAE + IRC or 1 USD for Europe and 2 USDs
for Africa and else

Where) or via the French REF-Union Bureau. Please nothing
via 3V Bureau.

F8DVD's address is FRANCOIS BERGEZ 6 RUE DE LA LIBERTE
F-71000 MACON

FRANCE.

4X, ISRAEL

Look for Hal/W8HC Randall/K8OQL and four 4X operators to
be active as 4X0WV

during the CQWW DX SSB Contest Oct 28-29 as a Multi-?
entry. QSL via W8HC.

7P, LESOTHO

Operators Wolf/DH3WV Mathias/DJ2HD and Jan/DL7JAN will be
active as 7P8WO,

7P8DJ and 7P8JF respectively from Roma Sep 3-12. Activity
will be on 80-10M

on CW SSB RTTY and PSK31. They will have two stations on
the air. QSL all

callsigns via DL7JAN only either direct (QRZ.com) or via
the bureau. Visit

the following Web page at http://www.qsl.net/dl7jan/

CN, MORROCCO

M'hamed CN8NK is expected to be active on RTTY 30 meters
very soon.

EA8, CANARY ISLANDS

Frank DH5JG will be operating as EA8/DH5JG from Lanzarote
Island (AF-004 DIE

S-007) Aug 30/Sep 12. Activity will be on 40-10M
including the WARC bands.

Modes will be CW SSB and RTTY/PSK31. He will also
participate in the upcoming

IARU Region 1 SSB Field Day and WAEDC SSB Contest. QSL
via DH5JG by the

bureau (DARC).

IOTA NEWS

EU-064. Operators Gilles/F5JPG Michel/F5UTL
Dominique/F1CNB Luis/ F5THW and

Juan/F5IRC will be active as TM2P from Pilier Island
AT-30 and Lighthouse

DPLF PB032 WLOTA LH 622 and ARLHS FRA 396 Sep 8-10.
Activity will be on

80-10M CW SSB and PSK31. QSL via F5IRC.

SA-044. Members of the 4M5DX Group and the Mediterranean DX Club will be

activating La Tortuga Island in Venezuela as YX5IOTA Sep 26 and Oct 1.

Activity will be on all bands and modes. QSL Manager is IT9DAA. Please

check their Web page for list of operators and suggested frequencies at

http://yx5iota.4m5dx.org

IRCS

Alan VK4AAR has received important information direct from the Universal

Postal Union (in Switzerland) in response to his inquiry regarding the

expiry dates for IRCs. Here is what he received from the IRC and

Philately Programme Assistant 'Since 2002 the validity date for exchange

is printed on each international reply coupon. The new international reply

coupon (Beijing model 2) on sale from 1 Jul 06 is valid for exchange until

31 Dec 09. The international reply coupons (Beijing model 1) on sale from

1 Jan 02 must be exchanged before 31 Dec 06. They will have no value after

this date.

I would like to inform you that International Reply Coupons (IRCs) issued

from 1906 to 1974 (in blue colour) do not have any value for exchange but

maybe they have a historical value. You may wish to consult a collector of

IRCs to know if the coupon has any financial value.

You should understand that currently the IRCs issued from 1975 to 2001

(in yellow colour) are exchangeable indefinitely according to the current

UPU rules. However this kind of IRC cannot be anymore exchangeable in termS

of finances between the postal administrations since 30 Jun 06. Therefore

it means that some of them do not accept anymore this coupon for exchange.

The exchange of IRC (after the customers exchange) between the postal

administrations is managed by a bilateral agreement, and if there's no

bilateral agreement the postal administrations loses money.'

Readers are suggested to visit a Web page that Jim AD1C has put up about

the above IRC information (from the Universal Postal Union). On the Web

site readers will see the different IRCs as mentioned above. Go to

http://www.ad1c.us/upu underscore rules underscore irc.htm

(the above URL is all one word)

SPECIAL EVENTS (Ukraine)

Look for the following special event stations to be active from the Ukraine

Aug 24-28. Activity is to celebrate Ukraines 15th anniversary of independence.

Operations will be on all HF bands. Special event stations are

EO15FF QSL via UX0FF direct or by the bureau.

EO15FW QSL via UT3FW direct or by the bureau.

EM15FA QSL via UT2FA direct or by the bureau.

W7, UNITED STATES (RTTY from MT!)

Three members of Cinco Nueve Contest Group from Oregon/Southwest Washington,

will participate in CQ WW RTTY Contest from Montana. The trio will be active

from W7LR's QTH and use his callsign for the contest. QSL via W7LR. Outside

of the contest operators will be active a bit using homecalls/7 for those

QSOs the QSLs go to either Al/K7AR, Mark/N7MQ or Ron/WJ7R. If there are

special RTTY WAS needs Email to n7mq at arrl.net and they will see what they

can do. No promises on skeds.

ZL, NEW ZEALAND (Ops Needed!)

Brian/KA7KUZ and Brian/ZL1AZE are assembling an international team entry in

the 2006 CQ WW SSB Contest from the Quartz Hill (ZL6QH) superstation. Trans

-portation will be provided to/ from Wellington Airport with accommodation

provided at the station. With the assortment of Vee beams, yagi beams,

rhombic and low band sloper antennas available at this site, there will be

no shortage of operating opportunities before, during and after the contest.

This may be the last CQ WW SSB Contest from ZL6QH for some time. it is

likely that the antennas will be removed in 2007 for the construction of a

wind farm. If interested please contact KA7KUZ at ka7kuz at arrl.net Visit

the Quartz Hill's Web page at http://www.zl6qh.com

The Society can be contacted in the following ways

To Pat VK2JPA via patleeper at optusnet.com.au or

Col VK2CTD via ctdavies at bigpond.net.au or

you can drop a line to PO Box 93 Toongabbie NSW 2146.

73’s from Pat VK2JPA broadcast Officer

NNNN